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TITLE: The Polar Bear: A Bibliography

AUTHOR & INSTITUTION:

David G. Hughes, Research Assistant
Zoological Society of Glasgow and West of Scotland

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Introduction

For some time, we at Glasgow Zoo, in common probably with other collections keeping polar bears (Thalarctos maritimus Phipps 1774), have felt the need for a thorough scrutiny of existing literature. With the formation of the polar bear custodians group and the research which the group and UFAW hope to carry out, it seemed to us that this was now the time to initiate a thorough database search. The search consisted of a manual and computerized search of the Zoological Record from 1864 to the present. We hope to supplement this with a search using the BIOSIS database in the near future. In the mean time here is the result - eventually we hope to include a Subject Index. We hope this document will be helpful to our work as custodians and perhaps will enable us to put accurate references to observations, long incorporated into our practices but whose origins have become tantalisingly obscured with the passage of time!

R.J.P.O'Grady
Director/Secretary
Glasgow Zoo

General Alphabetical Listing

Aaris-Sorensen, K. and K.S. Petersen. 1984. A late Weichselian find of polar bear (Ursus maritimus Phipps) from Denmark and reflections on the paleoenvironment. Boreas, 13(1):29-33, illustr.

Afonskaya, R.I. and M.K. Krumina. 1958. Observations on polar bears. Moscow Zoop., 2:56-63, 3 figs. [In Russian.]

Aleksuik, M. 1965. Observations of birds and mammals in the Perry River region, N.W.T. Arctic, 17:263-268.

Allendorf, F.W., F.B. Christiansen, T. Dobson, W.F. Eanes, and O. Frydenberg. 1979. Electrophoretic variation in large mammals. 1. The polar bear, Thalarctos maritimus. Hereditas, 91(1):19-22.

- Alroy, J., D. Baldwin, Jr., and E.R. Maschgan. 1980. Multiple Beta cell neoplasms in a polar bear: An immunohistochemical study. Veterinary Pathology, 17(3):331-337, illustr.
- Amstrup, S. 1981. Alaskan polar bear research for the 1980's. Proceedings of the Alaska Scientific Conference, 32:104-105.
- , I. Stirling, and J.W. Lentfer. 1986. Past and present status of polar bears in Alaska. Wildlife Society Bulletin, 14(3):241-254, illustr.
- and D.P DeMaster. 1988. Polar bear, *Ursus maritimus*. In: J.W. Lentfer, ed. Selected Marine Mammals of Alaska: Species Accounts With Research and Management Recommendations. Washington, D.C.:Marine Mammal Commission. 275pp. [pp.41-56, illustr.]
- Andersen, O.G.Norden. 1983. A feast for Polar bears. Kaskelot, 54:40- 45, illustr.
- Andreev, F.V. 1973. On the structure of polar bear eye. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow: Nauka. 162pp. [pp.99-107, illustr.]
- Anon. 1966. Verbreitungsgebiet der Polarbären. Pelzgewerbe, 17:166- 167, 1 fig.
- Anon. 1970. Grey seals on the Farnes. Habitat, 6(12):2-3.
- Anon. 1970b. How safe are polar bears? New Scientist, 45:392.
- Anon. 1970c. Polar bear hunters. World Wildlife News, Spring:10-11, 1 pl.
- Anon. 1970d. Union internationale pour la conservation de la nature Les specialistes de cinq pays circumpolaires: Inquietudes pour l'avenir de l'ours blanc. Courrier de la Nature, 13:24-25, 1 pl.
- Anon. 1973a. Agreement on conservation of polar bears. IUCN Bulletin, 4(12), suppl., pl.
- Anon. 1973b Eisbären leben gefährlich. Kosmos (Stuttg.), 67(5):122.
- Anon. 1973c. Polar bear research. Resource Publication of the U.S. Department of the Interior, Fish and Wildlife Service, and Bureau of Sport Fishing and Wildlife, 94:76-77.
- Anon. 1974. Schutzmassnahman fur Eisbären. Naturwissenschaftliche Rdsch. (Stuttg.), 27(6):236-237.
- Anon. 1983. L'ours blanc - *Ursus maritimus*. Carnets de Zoologie, 43(1):7.
- Anthony, R. and F. Coupin. 1924. Le cerveau de L'Ours a la naissance. Comptes Rendue de l'Academie des

Sciences (Paris), 178:867-869, fig.

Avksenteva, L.I. and L.S. Bogoslovskaya. 1973. The anatomy of polar bear brain. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.107-113, illustr.]

Baker, B.E., C.R. Harrington, and A.L. Symes. 1963. Polar bear milk. I. Gross composition and fat constitution. Canadian Journal of Zoology, 41:1035-1139, 3 tabs.

-----, V.B Hatcher, and C.R. Harrington. 1967. Polar bear milk. 3. Gel-electrophoretic studies of protein fractions isolated from polar bear milk and human milk. Canadian Journal of Zoology, 45:1205-1200, 3 figs., 1 tab.

Balikci, A. 1964. Development of basic socio-economic units in two Eskimo communities. Bulletin of the National Museum of Canada, 202: 1-114, 3 maps.

Ball, M.D., H.C. Furr, and J.A. Olson. 1986. Acyl coenzyme A: Retinol acyltransferase activity and the vitamin A content of polar bear (Ursus maritimus) liver. Comparative Biochemistry and Physiology, (B), 84(4):513-517, illustr.

Barchard, W., W. Duval, J. McComisky, R. Schweinsburg, B. Smiley, N. Sonntag, I. Stirling, and D. Thomas. 1985. Beaufort environmental monitoring project 1983-1984. Hypothesis No.7. The effects of active facilities on polar bears. Environmental Studies (OTT), 34: 130-137, illustr.

-----, W. Duval, J. McComisky, R. Schweinsburg, B. Smiley, N. Sonntag, I. Stirling, and D. Thomas. 1985. Beaufort environmental monitoring project 1983-1984. Hypothesis No.8. The effects of offshore development activities on polar bear harvest. Environmental Studies (OTT), 34:138-143, illustr.

Belikov, S.E. 1973. Data on the autumn and winter ecology of polar bear females on the Wrangel Island. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.28-36, illustr.]

-----, 1976a. Behavioral aspects of the polar bear (Ursus maritimus). IUCN Publications (New Series), 40:37-40.

-----, 1976b. The "white bear" expedition. Priroda (Moscow), 1976(6): 54-59, 8 figs.

-----, 1980. Distribution and structure of dens of female polar bears in Wrangel Island. Bear Biology Association Conference, 3:117.

-----, 1984. On the question of the population structure and productivity of the polar bear of Wrangel Island. In: V.K. Ryabitsev, ed. The Species and Its Productivity Within Its Distribution Range. Part 2. Mammals (Duplicentata, Artiodactyla, Carnivora, Pinnipedia, General questions). Birds. Sverdlovsk:Urals Scientific Centre, Academy of Sciences, USSR. 96pp. [pp.7-8.] [Material from the 4th All-Union Symposium, 3-7 April 1984.]

- , Yu.A. Gorbunov, and V.I. Shilnikov. 1984. Distribution and migration of certain pinnipedes, whales and the polar bear in the seas of the Eastern Arctic. In: A.V. Yablokov, ed. Marine Mammals. Moscow:Nauka. 312pp. [pp.233-252, illustr.]
- and A.G. Kupriyanov. No date. Adaptive significance of some aspects of polar bear behaviour on Lake Vrangelya. In: B.P. Manteifel, ed. Animal Group Behaviour. Moscow:Izdatel'stvo Nauk. 452pp. [pp.22-24.] [In Russian.]
- and L.G. Matveev. 1983. Distribution and numbers of polar bear and their dens on Franz-Josef land. In: V.E. Sokolov, ed. Rare Species of Mammals of the USSR and Their Conservation. 226pp. [Material from the 3rd All-Union Conference, A.N. Severtsov Institute of Evolutionary Morphology and Ecology of Animals. Moscow., 1983.] [pp.84-85.]
- Bernstrom, J. 1944. Kommentarer till ett par av Ehrenstrahls djurmålningar på Drottningholm. Fauna och Flora (Uppsala):51-56, 1 photo.
- Best, R.C. 1977. Ecological aspects of polar bear nutrition. In: R.L. Phillips and C. Jonkel, eds. Proceedings of the 1975 Predator Symposium. Missoula:University of Montana. 268pp. [pp.203-211, illustr.]
- , 1982. Thermoregulation in resting and active polar bears. Journal of Comparative Physiology, 146(1):63-73, illustr.
- , 1985. Digestibility of ringed seals by the polar bear. Canadian Journal of Zoology, 63(5):1033-1036, illustr.
- , K. Ronald, and N.A. Oritsland. 1981. Physiological indices of activity and metabolism in the polar bear. Comparative Biochemistry and Physiology (A), 69(2):177-185, illustr.
- Birula, A. 1932. Zur Frage der geographischen Formen des Eisbären (Thalassarctos maritimus Phipps). Travaux Institut Scientifique Cherifien Serie Zoologique (Leningrad), 1:99-134, 3 pls. [In Russian with German res.]
- Blix, A.S. and J.W. Lentfer. 1979. Modes of thermal protection in polar bear cubs - at birth and on emergence from the den. American Journal of Physiology, 236(1):R67-R74, illustr.
- Bowes, G.W. and C.J. Joukel. 1975. Presence and distribution of polychlorinated biphenols (PCB) in Arctic and Sub-arctic marine food chains. Journal of the Fisheries Research Board of Canada, 32(11):2111-2123, 4 figs.
- Brockhoff, H., R.J. Hoyle, and P.C. Huang. 1966. Positional distribution of fatty acids in the fats of a polar bear and a seal. Canadian Journal of Biochemistry, 44:1519-1525, 1 fig., 3 tabs.
- Brooks, J.W. 1970. Infra-red scanning for polar bear. IUCN Publications (New Series), 23:138-141, pl.
- Brown, R. 1886. Ursus maritimus observations. Proceedings of the Zoological Society of London, 1886:344.

- Bruemmer, F. 1969. In the tracks of the polar bear. Animals, 12:66-69.
- 1981. Two weeks in a polar bear prison. Audubon, 83(6):28-37, illustr.
- 1984. How polar bears break the ice. Natural History (New York), 93(12):38-47, illustr.
- Calvert, W., I. Stirling, R.E. Schweinsburg, L.J. Lee, G.B. Kolenosky, M. Shoesmith, B. Smith, M. Crete, and S. Lutrich. 1985. Research on polar bears in Canada, 1982-84. In: Polar bears. Proceedings of the Ninth Working Meeting of the IUCN/SSC Polar Bear Specialist Group. Gland:IUCN. 152pp. [pp.35-54.]
- Cameron, A.W. 1958. Mammals of the Islands of the islands in the Gulf of St. Lawrence. National Museum of Canada Bulletin, 154 (Biol. Ser. No. 53):i-iii, 1-165, frontis., 8 figs., 29 maps.
- Canadian Wildlife Service. 1973a. PCBs in polar bears and seals. Biological Conservation, 5(1):57.
- Canadian Wildlife Service. 1973b. Polar Bear. Hinterland's Who's Who, (Unnumbered). 5pp., illustr.
- Carlson, C.E., J.W. Brooks, J.J. Craighead, V. Flyger, R.C. Hagar, K.W. Kenyon, S.E. Jorgenson, and J.W. Lentfer. 1966. The polar bear in Alaska. In: Proceedings of the 1st International Science Meeting of Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.44-57, 6 tabs., 1 map.]
- Carpenter, A., C. George, R. Hurst, J. McComiskey, H. Myers, R. Schweinsburg, B. Smiley, N. Sonntag, I. Stirling, and T. Strong. 1986a. Beaufort environmental monitoring project 1984-85. Hypothesis No.7. The presence of active facilities will result in increased polar bear mortality. Environmental Studies (OTT), 39: 49-53, illustr.
- , C. George, R. Hurst, J. McComiskey, H. Myers, R. Schweinsburg, B. Smiley, N. Sonntag, I. Stirling, and T. Strong. 1986b. Beaufort environmental monitoring project 1984-85. Hypothesis No.9. Chronic/episodic oil spills resulting from normal hydrocarbon development activities within and adjacent to the marine environment will result in localized mortality of polar bears. Environmental Studies (OTT), 39:57-60, illustr.
- Christiansen, B.O. 1981. A unique observation of a herd of polar bears. Fauna (Oslo), 34(3):130-131, illustr.
- Ciliga, T. and U. Bego. 1962. Nierenarterien und Nierenvenen des Eisbaren. Bioloski Glasnik Zargreb (Agram), 15:133-140.
- Clausen, J., L. Braestrup, and O. Berg. 1973. The content of polychlorinated hydrocarbons in arctic mammals. Bulletin of Environmental Contamination and Toxicology, 12(5):529-534, tab.
- Cook, H. W., J.W. Lentfer, A.M. Pearson, and B.E. Baker. 1970. Polar bear milk. 4. Gross composition, fatty acid and mineral constitution. Canadian Journal of Zoology, 48:217-219, 3 tabs.

- Cooley, R.A. 1968. International scientific cooperation on the polar bear. IUCN Bulletin, 2:54-56.
- 1970. International conservation of the polar bear: A report on progress. IUCN Bulletin, 2:149-154.
- Cowan, I.M. 1970. The status and conservation of bears (Ursidae) of the world - 1970. IUCN Publications (New Series), 23:343-367, 4 tabs.
- Craighead, J. 1976. Studying grizzly habitat by satellite. National Geographic Magazine, 150(1):148-158, 18 figs.
- Crawshaw, G.J. 1980. Acute renal failure in a polar bear. Annual Proceedings of the American Association of Zoo Veterinarians, 1980: 135-137, illustr.
- Cushing, B.S., N.L. Cushing, and C. Jonkel. 1988. Polar bear responses to the underwater vocalizations of ringed seals. Polar Biology, 9(2):123-124, illustr.
- Danielewicz, B., M. Dunbar, B. Griffiths, J. Harper, J. McComiskey, J. Marko, D. Mossop, D. Schell, R. Schweinsburg, et al. 1986. Beaufort environmental monitoring project 1984-85. Hypothesis No.6. Icebreaker traffic in the Amundsen gulf will effect ringed seal and polar bear populations. Environmental Studies (OTT), 39:42-48, illustr.
- Dansgaard, W. 1989. The use of fibre optics by polar bears. Nat. Verden, (1):46-47, illustr. [In Danish.]
- Dathe, H. 1966. Schwimmende inseln fur Wasserbecken in Teirgarten. Zoologische Garten (Leipzig), 33:106-109, 4 figs.
- Davids, R.C. 1983. Lords of the Arctic - A Journey Among the Polar Bears. London:Sidgwick and Jackson. 140pp., illustr.
- Davis, J.C. and R.F. Rockwell. 1986. An electric fence to deter polar bears. Wildlife Society Bulletin, 14(4):406-409, illustr.
- Dean, G. 1961. Birth of a polar bear cub at Auckland Zoo. International Zoo Yearbook, 1960:85.
- DeMaster, D.P., M.C.S. Kingsley, and I. Stirling. 1980. A multiple mark and recapture estimate applied to polar bears. Canadian Journal of Zoology, 58(4):633-638, illustr.
- and I. Stirling. 1981. Ursus maritimus. Mammalian Species, 145: 1-7, illustr.
- and I. Stirling. 1983. The estimation of annual survivorship and mean litter size of polar bear cubs. In: E.C. Meslow, ed. Bears - Their Biology and Management. Fifth International Conference on the Biology and Management of Bears, Madison, Wisconsin, 1980. [pp. 260-263.]

- Dick, T.A. and M. Belosevic. 1978. Observations on a Trichinella spiralis isolate from a polar bear. Journal of Parasitology, 64(6): 1143-1145, illustr.
- Dittrich, L. 1966a. Zur Fortpflanzung des Eisbaren. Pelzegewerbe, 17: 167-169.
- 1966b. Zur Werfzeit des Eisbaren (Ursus maritimus). Saugetierkundlich Mitteilungen, 9:12-15, 1 fig.
- Doherty, J.G. 1970. Polar bear Thalarctos maritimus. Animal Kingdom, 73(4):33, 1 pl.
- Douth, J.K. 1940. Polar bears in the Gulf of St. Lawrence. Journal of Mammalogy, 21:90-92.
- 1967. Polar bear dens on the twin islands, James Bay, Canada. Journal of Mammalogy, 48:468-471, 3 figs.
- Dunbar, M., D. Fissel, J. Harper, R. Hurst, J. McDonald, P. McNamee, J. Marko, D. Mackas, H. Melling, et al. 1985. Beaufort environmental monitoring project 1983-84. Hypothesis No.6. The effects of icebreaker traffic in the Amundsen gulf on the ringed seal and polar bear populations. Environmental Studies (OTT), 34:99-129, illustr.
- Duncan, M.F. 1947. Handrearing a polar bear cub. Zoolife (London), 2: 99-101, 5 figs.
- Eaton, R.D.P. and J.P. Farant. 1982. The polar bear as a biological indicator of the environmental mercury burden. Arctic, 35(3): 422-425, illustr.
- Ehlers, K. 1964. Sorgen mit Eisarennachwuchs. Zoologische Garten (Leipzig), 29(5):231-240, 5 pls.
- 1970. Über das Verhalten von Eisbären (Thalarctos maritimus Phipps) mit Jungen in besonderer Situation. Zoologische Garten (Leipzig), 39:58-65, 5 pls.
- 1973. Über die unbefriedigende Zucht von Eisbären (Thalarctos maritimus Phipps 1774) in Zoologischen Garten. Zoologische Garten (Leipzig), 43(1):48-58, 5 pls.
- Elze, K., G. Krische, K. Eulenberger, S. Seifert, and H.J. Selbitz. 1986. Erkrankungen und todesfalle beim eisbar (Thalarctos maritimus Phipps, 1774). Erkrankungen Zootiere, 28:51-62, illustr.
- Eriksen, E. 1978. Capture and investigation of 42 polar bears in North East Greenland, April-May 1974. IUCN Publications (New Series), Suppl. 42:37-47, illustr.
- Faust, R. and I. Faust. 1959a. Bericht über Aufzucht und Entwicklung eines isolierten Eisbaren Thalarctos maritimus (Phipps). Zoologische Garten (Leipzig), 25:143-158, 8 figs.
- and I. Faust. 1959b. Bericht über Aufzucht und Entwicklung eines isolierten Eisbaren Thalarctos maritimus (Phipps). Zoologische Garten (Leipzig), 25:159-165. 7 figs. [Continued from 25:153-158, 8 figs.]
- Faylor, R.C. 1966. A proposal for research on the ecology of the polar bear. In: Proceedings of the 1st

International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.59-63.]

Finn, J.P. 1969. Pyocephalus and gastritis in a polar bear (*Thalarctos maritimus*). Journal of the American Veterinary Medical Association, 155:1086-1089, 4 figs.

Flyger, V. 1967. The polar bear: A matter for international concern. Arctic, 20:146-153, 3 figs.

-----, M.V. Schein, A.W. Erickson, and T. Larsen. 1967. Capturing and handling polar bears - a progress report on polar bear ecological research. Transactions of the North American Wildlife Conference, 32:107-119, 5 figs., 3 tabs.

----- and M.R. Townsend. 1968. The migration of polar bears. Scientific American, 218(2):108-116, 19 figs.

Folk, G.E., Jr., M.D. Brewer, and D. Saunders. 1970a. Cardiac physiology of polar bears in winter dens. Arctic, 23:130.

-----, M.A. Folk, and J.J. Minor. 1970b. Physiological condition of three species of bears in winter dens. IUCN Publications (New Series), 23:107-124, 10 figs., tab.

-----, A. Larson, and M.A. Folk. 1976. Physiology of hibernating bears. IUCN Publications (New Series), 40:373-380, fig., 3 tabs.

Forier, R.C., T. Miller, and J. Swigert. 1975. Root canal therapy on two polar bears. Annual Proceedings of the American Association of Zoo Veterinarians, 1975:213-214.

Fornell, D.J. and R.E. Schweinsburg. 1984. Population dynamics of Central Canadian Arctic Island polar bears. Journal of Wildlife Management, 48(3):722-728, illustr.

Foster, J.W. 1981. Dermatitis in the polar bears - A nutritional approach to therapy. Annual Proceedings of the American Association of Zoo Veterinarians, 1981:58-60.

Frame, G.W. 1972. Occurrence of polar bears in the Chukchi and Beaufort Seas, summer 1969. Journal of Mammalogy, 53(1):187-189. fig., tab.

Friant, M. 1932. L'etat de la dentition de L'ours blanc [*Ursus (Thalassarctos) maritimus* Desm.] nouveau-ne. Comptes Rendus l'Association des Anatatomistes (Paris), 1932:1-10, 1 fig. [Sep. pag.]

Frisch, J., N.A. Oritsland, and J. Krog. 1974. Insulation of furs in water. Comparative Biochemistry and Physiology (A), 47(2):403-410, 3 figs., 2 tabs.

Furnell, D.J. and D. Oolodyuk. 1980. Polar bear predation on ringed seals in ice free water. Chat, 94(1):88-89.

- and R.E. Schweinsburg. 1984. Population dynamics of central Canadian Arctic island polar bears. Journal of Wildlife Management, 48:722-728.
- Gatesman, T. and H. Wiesner. 1982. Immobilization of polar (Thalarctos maritimus) and brown (Ursus arctos) bears using ecorphine and xylazine. Journal of Zoo Animal Medicine, 13(1):11-18, illustr.
- Gerasimov, Yu.A. and V.A. Paponov. 1973. Experiments on immobilization with Sernilan of female polar bears in the dens by means of shot-guns and home produced flying syringes. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.149-157, illustr.]
- Gillelan, G.H. 1969. The great bear of the North. Natural Science (New York), 6(9):12-14, 1 fig., 5 pls.
- Gjertz, I. and E. Persen. 1987. Confrontations between humans and polar bears in Svalbard. Polar Research, 5(2):253-256, illustr.
- Glaston, A.R. 1987. Diary of a polar bear. Dieren, 4(1):14-17, illustr.
- Glover, R. 1956. Factors affecting the status of the polar bear (Thalarctos maritimus) in Canada. Proceedings of the 5th Tech. Meeting of the International Union for the Protection of Nature, 1956:72-74.
- Goodwin, G.G. 1952. Monarch of the Wastes. Animal Kingdom, 55:182-186.
- Gorgas, M. 1972. Zur Fortpflanzungsbiologie des Eisbären im natürlichen Verbreitungsgebiet und im Zoo. Zeitschrift Kolner Zoo, 15(1):3-12, 22 pls. [English summary]
- Gray. 1864. Proceedings of the Zoological Society of London , 1864:677.
- Grimm, D. 1978. Project polar bear. Brookfield Bison (Brookfield Zoo), June-July 1978:1-5, illustr.
- Grittinger, T.F. and D.L. Schultz. 1988. Underwater behaviour of captive Polar bears. International Zoo News, 35(6):5-10, illustr.
- Grushetskaya, L.A., A.A. Kishchinski, and S.M. Uspenski. 1973. Polar bear fat study. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.62-69, illustr.]
- Haas, E. 1969. Bears. Kodiak bears and polar bears at the Bronx zoo. Animal Kingdom, 72(2):13-17, 11 pls.
- Hagen, G. 1978. An observation of polar bear mating in Svalbard. Arbok Norsk Polarinst, 1977:352-353, illustr.
- Haig-Thomas, D. 1956. Polar bears. Zoo Life, 11:106-110, 1 fig.
- Haigh, J.C., L.J. Lee, and R.E. Schweinsburg. 1983. Immobilization of polar bears with carfentanil. Journal of

Wildlife Diseases, 19(2): 140-144, illustr.

- , I. Stirling, and E. Broughton. 1984. Clinical experiences with Telazol (R) for polar bears (*Ursus maritimus* Phipps) immobilization. Annual Proceedings of the American Association of Zoo Veterinarians, 1984:130-131.
- , I. Stirling, and E. Broughton. 1985. Immobilization of polar bears (*Ursus maritimus* Phipps) with a mixture of Tiletamine Hydrochloride and Zolazepam Hydrochloride. Journal of Wildlife Diseases, 21(1):43-47, illustr.
- Haley, D. 1969. Bears, bears, bears. Pacific Search, 4(1):69.16, 3 figs.
- , ed. 1986. Marine Mammals of Eastern North Pacific and Arctic Waters, 2nd edition, revised. Seattle:Pacific Search Press. 295pp., illustr.
- Halstead, B.W. 1959. Dangerous Marine Animals. Cambridge, Maryland: Correll Maritime Press. xiv + 146pp., frontis., 86 figs.
- , 1970. Poisonous and Venomous Marine Mammals of the World, Vol. 3. Vertebrates (continued). Washington, D.C.:U.S.Government Printing Office. xxv + 1006pp., figs., 26 tabs., 8 maps, pls.
- Hanstrom, B.A. 1947. A comparative study of the hypophysis in the polar bear and some Swedish Carnivora. Kunglica Svenska Vetenskaps Akademiens Handliger, (3) 24, 7:1-46, 30 figs.
- Harington, C.R. 1966. IUCN Submission. In: Proceedings of the 1st International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [p.58.]
- , 1968. Denning habits of the polar bear (*Ursus maritimus* Phipps). Canadian Wildlife Service Report, 5:1-30, 12 figs.
- Harrison, B. 1982. Polar bears in a tropical climate. Proceedings of the International Symposium in Zoo Design, 3 (1980):116-121, illustr.
- Heck, L. 1964. Erfahrungen bei der "Narkose" einer Eisbarin mit dem Narkosegewehr (Cap-Chur-Gun) in Munchener Teirpark Hellabrunn. Zoologische Garten (Leipzig), 29(4):192-194.
- , 1965. Narcosis of a polar bear *Thalarctos maritimus* using the projectile gun. International Zoo Yearbook, 5:193-194.
- Heintz, A. 1964. Reindeer and Polar bear in Svalbard. Meddr. Norsk. Polarinst., 92:1-20, 3 figs. [In Norwegian with English summary]
- and M. Norderhaug. 1965-1966. Observations of the animal life in Svalbard. Arbok Norsk Polarinst.,

1965-1966:103-118, 5 tabs. [In Norwegian with English summary]

Hennig, R. 1930. Die Kenntnis des Eisbaren im Mittelalter. Zoologische Garten (Leipzig), 3:64-67.

-----, 1952. Die fruheste kenntnis vom Eisbaren. Zoologische Garten (Leipzig) (N.F.), 19:54-56.

Hensel, R.J. and F.E. Sorensen, Jr. 1980. Age determination of live polar bears. Bear Biology Association Conference, 3:93-100, illustr.

Herceg, M., B. Maran, and I. Huber. 1975. Bosartige Tumoren bei Saugetieren des zoologischen Gartens der Stadt Zargreb 357. In: R. Ippen and H.D. Schroder, eds. Erkrankungen der Zootiere Verhandlungsbericht de 17 Internationalen Symposiums uber die Erkrankungen der Zootiere Tunis 1975. Berlin:Akademie Verlag. 410pp.

Hinman, R.A., ed. 1978. Annual report of survey-inventory activities. Part 2. Black bear, brown bear, polar bear, caribou. Annual Report of the Alaska Department of Fish and Game, 8(W-17-9):1-189, illustr.

-----, ed. 1979a. Annual report of survey-inventory activities. Part 3. Black bear, brown bear, polar bear, caribou. Annual Report of the Alaska Department of Fish and Game, 9(W-17-10):1-170, illustr.

-----, ed. 1979b. Annual report of survey-inventory activities. Part 1. Black bear, brown bear, polar bear, caribou. Annual Report of the Alaska Department of Fish and Game, 10(W-17-11):1-115, illustr.

Hochbaum, G. 1973. Polar bears at Cape Churchill, Manatoba. Blue Jay, 31(3):173.

Hock, R.J. 1968. Some physiological measurements of polar bears. Zeitschrift fuer Saugetierkunde, 33:57-62, 4 figs.

Hoff, S. 1979. Skin diseases in two polar bears (Thalarctos maritimus) at the Stanley Park Zoo. Annual Proceedings of the American Association of Zoo Veterinarians, 1979:107-112, illustr.

Hofmann, O., T. Schreitmuller, and G. Braunitzer. 1986. Die primarstruktur der hamoglobine von eisbar (Ursus maritimus, Carnivora) und kragenbar (Ursus tibetanus, Carnivora). Biological Chem. Hoppe. Seylers, 367(1):53-57, illustr.

Holloway, C.W. 1971. IUCN's second working meeting of polar bear specialists, held in Morges, 2-4 Feb 1970. Biological Conservation, 3:154-155.

Horsman, P.V. No date (1986?). Captive Polar Bears in U.K. and Ireland. Unpublished. 53pp., illustr.

Hurst, R.J., N.A. Ortsland and P.D. Watts. 1981. Metabolic and temperature responses of polar bears in crude oil. In: Rand, ed. Land and Water Issues Related to Energy Development. [pp.263-280.]

-----, N.A. Ortsland and P.D. Watts. 1982a. Body mass, temperature and cost of walking in polar bears. Acta

Physiologica Scandinavica, 115: 391-395.

-----, M.L. Leonard, P.D. Watts, P. Beckerton, and N.A. Oritsland. 1982b. Polar bear locomotion: Body temperature and energetic cost. Canadian Journal of Zoology, 60(1):40-44, illustr.

----- and N.A. Oritsland. 1982c. Polar bear thermoregulation: Effect of oil on the insulative properties of fur. Journal of Thermal Biology, 7(4):201-208, illustr.

-----, R. Schweinsburg, and I. Stirling. 1985. Beaufort environmental monitoring project 1983-1984. Hypothesis No.9. Effects of chronic/episodic oil spills resulting from normal petroleum hydrocarbon development activities within and adjacent to the marine environment on polar bears. Environmental Studies (OTT), 34:144-153, illustr.

IUCN. 1976. Polar bears. Proceedings of the Fifth Meeting of the Polar Bear Specialist Group, IUCN Publications (New Series), Suppl. 42: 1-107, illustr.

IUCN. 1984. Polar bears. Proceedings of the Technical Workshop of the IUCN Polar Bear Specialists Group (USA, 1983), IUCN Publications. Gland:IUCN.

Jackson, P.F.R. 1973. Polar bear conservation in Spitzbergen. Biological Conservation, 5(2):155.

-----, 1976. International polar bear agreement. Environmental Conservation, 3(3):208.

Jacobi, E.F. 1968. Breeding facilities for polar bears, Thalarctos maritimus (Phipps, 1774), in captivity. Bijdragen tot de Dierkunde, 38:39-46, 4 figs., 13 tabs.

Jedlicka, J. and M. Hojovcova. 1975. Sarcoptesravde bei Baren im Zoologischen Garten Brno. In: R. Ippen and H.D. Schroder, eds. Erkrankungen der Zootiere Wroclaw 1972. Berlin:Akademie Verlag. 420pp. [pp.257-260.] [English summary.]

Jenness, R., A.W. Erickson, and J.J. Craighead. 1972. Some comparative aspects of milk from four species of bears. Journal of Mammalogy, 53(1):34-47, 7 figs., 4 tabs.

Jonkel, C. 1969. Polar bear research in Canada. Canadian Wildlife Service Report, Ser. 13:1-10, 1 tab., 1 map.

-----, 1970. The behaviour of captured North American bears (with comments on bear management and research). Bioscience 20:1145-1147, 4 pls.

-----, 1975. Polar bears in their natural habitat. AAZPA Conference Proceedings, 1975:1-3.

Jonkel, C.J. 1970. Some comments on polar bear management. Biological Conservation, 2:115-119, 5 figs.

-----, 1978a. Black, brown (grizzly), and polar bears. In: J.L. Schmidt and D.L. Gilbert, eds. Big Game of North

America: Ecology and Management. Harrisburg, Philadelphia:Stackpole Books. XV + 494pp.
[pp.227-248, illustr.]

-----, G.B. Kohenosky, R.J. Robertson, and R.H. Russell. 1970. Further notes on polar bear denning habits. IUCN Publications (New Series), 23:142-258, 5 figs., 7 pls.

-----, J. Lentfer, S. Uspenskii, and C. Vibe. 1975. Problems in the circumpolar study of polar bears (*Ursus maritimus* Phipps). In: Proceedings of the Circumpolar Conference on Northern Ecology, September 15-18 1975 Ottawa. Ottawa:National Research Council of Canada. 646pp. [pp.2.119-2.127.]

-----, I. Stirling, and R. Robertson. 1976. The polar bears of Cape Churchill. IUCN Publications (New Series), 40:301-302. [Abstract.]

-----, I. Stirling, G. Kolenosky, S. Millar, and R. Robertson. 1976. Polar bear research in Canada, 1972-1974. IUCN Publications (New Series), Suppl. 42:23-36.

-----, E. Land, and R. Redhead. 1978. The productivity of polar bears (*Ursus maritimus*) in the South Eastern Baffin Island area, Northwest Territories. Progress Notes of the Canadian Wildlife Service, 91: 1-7, illustr.

Kaduce, T.L., A.A. Spector, and G.E. Folk, Jr. 1981. Characterization on the plasma lipids and lipoproteins of the polar bear. Comparative Biochemistry and Physiology (B), 69(3):541-545, illustr.

Kayaersgaard, P. 1974. A note on *M. articularis humeri* in the wild boar, bear, tapir and rhinoceros. Gegenbaurs Morphologishes Jahrbuch, 120(1):143-143 [sic.], 2 figs.

Kelly, A. 1888. Notes on the Myology of *Ursus maritimus*. P. Ac. Philad., 1888:141-154.

Kiliaan, H.P.L. 1972. The possible use of tools by polar bears to obtain their food. Arbok Norsk Polarinst., 1972:177-178, pl.

-----, I. Stirling, and C.J. Jonkel. 1978. Polar bears in the area of Jones sound and Norwegian Bay. Progress Notes of the Canadian Wildlife Service, 88:1-21, illustr.

Kingsley, M.C.S. 1979. Fitting the Von Bertalanffy growth equation to polar bear age-weight data. Canadian Journal of Zoology, 57(5): 1020-1025, illustr.

Kistchinski, A.A. and S.M. Uspenski. 1970. Immobilization and tagging of polar bears in maternity dens. IUCN Publications (New Series), 23:172-180, 5 pls., tab.

----- and S.M. Uspenski. 1973. New data on the winter ecology of the polar bear on the Wrangel Island. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.10-28, illustr.]

Kitchen, H., K. Dayhuff, and C. Ricketts. 1977. Diseases of hair in polar bears and bengal tigers. Annual Proceedings of the American Association of Zoo Veterinarians:118-120.

- Kjos-Hanssen, B. 1983. Freeze-resistance of Trichinella cysts in polar bears from the high-arctic region of Norway (Svalbard). Acta Veterinaria Scandinavica, 24(2):244-246, illustr.
- 1983. Trichinella isolates from polar bears in Svalbard, freeze resistance and infectivity in rats and swine. Nordisk Vetmed., 36(1-2):57-61, illustr.
- Knottnerus-Meyer, T. 1908. Über den Eisbären und seine geographischen formen. SitzBer. Ges. Natf. Freunde (Berlin), 1908:(170-187), pls. x-xi.
- Knudsen, B. 1978. Time budgets of polar bears (Ursus maritimus) on North Twin Island, James Bay, during summer. Canadian Journal of Zoology, 56(7):1627-1628, illustr.
- Kock, R.A., L.R. Thomsett, and G.M. Henderson. 1986. Alopecia in polar bears (Thalarctos maritimus): A report of two cases. Erkrankungen Zootiere, 28:63-72, illustr.
- Kohm, A. 1986. Hauterkrankungen bei eisbären (Thalarctos maritimus) und ihre behandlung mit ivomec. Erkrankungen Zootiere, 28:73-76.
- 1988A. Keine Zuchterfolge in der Karlsruher Eishärengruppe im Zuchtjahr 1985/86. Zoologische Garten (Leipzig), 58(1):55-57. [In German with English summary.]
- 1988B. Tod eines Eisbärenbabys infolge einer Leptospiren - Infektion. Erkrankungen Zootiere, 30:297-300, illustr. [In German with English, French and Russian summaries.]
- Kolenosky, G.B. 1987. Polar bear. In: M. Novak, J.A. Baker, M.E. Obbard and B. Malloch. Wild Fur Bearer Management and Conservation in North America. Ontario:Ministry of Natural Resources. 1150pp. [pp.474-485, illustr.]
- and J.P. Prevett. 1983. Productivity and maternity denning of polar bears in Ontario. In: E.C. Meslow, ed. Bears - Their Biology and Management. Fifth International Conference on the Biology and Management of Bears, Madison, Wisconsin, 1980. [pp.238-245.]
- , N.V. Lunn., C.J. Greenwood and K.F Abraham. 1989. Estimating the weight of polar bears from body measurements. Journal of Wildlife Management, 53(1):188-190.
- Kopsova-Rasmussenova, N. 1978. On the trail of the polar bear by jeep. Ziva, 26(5):193.
- Kostjan, E.J. 1934. Eisbären und ihr Wachstum. Zoologische Garten (Leipzig), 7:157-164, 4 figs.
- Kowalak, A. 1979. The first polar bears in Poland. Wszechswiat, 1979(1-2):16-19, illustr.

- Kowalska, Z. 1962. Intergeneric crossbreed of the brown bear *Ursus arctos* L., and the polar bear *Thalarctos maritimus* (Phipps). Przeglad Zoologiczny, 6:230, 1 pl. [In Polish with English summary.]
- 1965. Cross breeding between a female European brown bear and a male polar bear in Lodz Zoo. Przeglad Zoologiczny, 9:313-319. [In Polish with English summary.]
- 1969. A note on bear hybrids *Thalarctos maritimus* and *Ursus arctos* at Lodz zoo. International Zoo Yearbook, 9:89, 1 tab.
- 1973. Krzyzowki miedzyrodzajowe niedzwiedzi w lodzkim Ogrodzie Zoologiczny (Pokolenie F2). Przeglad Zoologiczny, 17(1):124-129, 3 pls, 8 tabs. [In Polish with English summary.]
- Krumbiegel, I. 1979. Der wissenschaftliche name des eisbaren, *Ursus (Thalarctos) maritimus* Phipps, 1774. Saugetierkundliche Mitteilungen, 27(4):300-303.
- Kuntze, A. 1986. Brunstbedingte probleme mit eisbaren (*Thalarctos maritimus*) und braunbaren (*Ursus arctos*) im zirkus unter besonderer berucksichtigung der ovarektomie. Erkrankungen Zootiere, 28:85-88.
- and P. Hunsdorf. 1985. Hamatologische und biochemische parameter von gesunden und kranken eisbaren (*Thalarctos maritimus*) und braunbaren (*Ursus arctos*). Erkrankungen Zootiere, 27:385-391, illustr.
- and J. Mill. 1986. Elektrokardiografische untersuchungen an mit methadon-xylazin betaubten baren (*Thalarctos maritimus* und *Ursus arctos*). Erkrankungen Zootiere, 28:99-105, illustr.
- and R. Buchwalder. 1988. Zur Bekämpfung des Spulwurms (Toxascaris transfuga) beim Eisbaren mit Ivermectin. Erkrankungen Zootiere, 30: 303-307, illustr. [In German with English, French and Russian summaries.]
- Kurten, B. 1964. The evolution of the polar bear *Ursus maritimus* Phipps. Acta Zoologica Fennica, 108:1-30, 4pls. 4 text figs. 9 tabs.
- Kuschinski, L. 1978. Management of polar bears. Proceedings of the Symposium of the Association of British Wild Animal Keepers, 3:29-33.
- Lange, K.I. 1959. Biological observations and general comments on Cornwallis Island, N.W.T. Journal of the Arizona Academy of Science, 1:72-75, 1 fig.
- Larsen, T. 1966. Investigation of and marking polar bears on Spitzbergen summer 1966. Fauna (Oslo), 19:173-182, 3 figs. [In Norwegian with English summary]
- 1967. The trapping and study of polar bears, Spitsbergen, 1966. Polar Record, 13(86):589-593.
- 1968. Ecological investigations on the polar bear in Svalbard. A progress report. Arbok Norsk Polarinst., 1966:92-98, 2 figs., 1 pl.

- . 1969. International polar bear programme in Svalbard (Spitzbergen) - Norwegian Expedition 1968. Yearbook of the World Wildlife Fund, 1968:72-76 and 219, 2 pls.
- . 1970a. Norwegian polar bear hunt, management and research. IUCN Publications (New Series), 23:159-164.
- . 1970b. Polar bear investigations in Svalbard 1968-69. A progress report. 3. Arbok Norsk. Polarinst., 1969:94-100, 1 fig., 1 pl.
- . 1970c. Polar bear research in Spitzbergen. Oryx, 10:368-372, 3 pls.
- . 1971a. Capturing, handling, and marking polar bears in Svalbard. Journal of Wildlife Management, 35:27-36, 2 figs., 3 tabs.
- . 1971b. Polar bear: Lonely nomad of the North. National Geographic Magazine, 139:574-590, 13 col. pls.
- . 1971c. Sexual dimorphism in the molar rows of the polar bear. Journal of Wildlife Management, 35:2 figs., 1 tab., 2 pls.
- . 1972a. Air and ship census of polar bears in Svalbard (Spitzbergen). Journal of Wildlife Management, 36(2):562-570, fig., 5 tabs.
- . 1972b. Polar bear den surveys in Svalbard in 1972. Arbok Norsk Polarinst., 1972:73-82, 2 figs., 2 pls., map.
- . 1973. Polar bear den surveys in Svalbard in 1973. Arbok Norsk Polarinst., 1973:101-111, 10 figs.
- . 1976. Polar bear den surveys in Svalbard 1972-1973. IUCN Publications (New Series), 40:199-208, 5 figs.
- . 1978a. Geographic variation in polar bear skulls from Svalbard and Frans Josef Land. Congressus Theriol. Int., 2:199.
- . 1978b. The World of the Polar Bear. New York:Hamlyn. 96pp., illustr.
- . 1982. A review of the research carried out on Svalbard with regard to polar bear ecology. Fauna och Flora (Stockholm), 77(2): 113-120, illustr.
- . 1985. Polar bear denning and cub production in Svalbard, Norway. Journal of Wildlife Management, 49(2):320-326, illustr.
- . 1986. Population biology of the polar bear (Ursus maritimus) in the Svalbard area. Skrifter Norsk Polarinst., 184:1-55, illustr.

- , H. Tegelstrom, R. Kumar-Juneja, and M.K. Taylor. 1983a. Low protein variability and genetic similarity between population of the polar bear (*Ursus maritimus*). Polar Research, 1(1):97-105, illustr.
- , C. Jonkel and C. Vibe. 1983b. Satellite radio-tracking of polar bears between Svalbard and Greenland. International Conference on Bear Research and Management, 5:230-237.
- and B. Kjos-Hanssen. 1983c. Trichinella sp. in polar bears from Svalbard, in relation to hide length and age. Polar Research, 1(1): 89-96, illustr.
- Latinen, K. 1984. Polar bear management at Detroit Zoo. AAZPA Regional Conference Proceedings, 1984:119-126, illustr.
- 1987. Longevity and fertility of the polar bear, *Ursus maritimus* Phipps, in captivity. Zoologische Garten (Leipzig), 57(22-3): 197-199.
- Latour, P.B. 1981a. Interactions between free-ranging, adult male polar bears (*Ursus maritimus* Phipps): A case of adult social play. Canadian Journal of Zoology, 59(9):1775-1783, illustr.
- 1981b. Spatial relationships and behaviour of polar bears (*Ursus maritimus* Phipps) concentrated on land during the ice-free season of Hudson Bay. Canadian Journal of Zoology, 59(9):1763-1774, illustr.
- Lavigne, D.M. and N.A. Ortsland. 1974. Black polar bears. Nature (London), 251(5472):218-219, pl.
- Law, G., H. Boyle, and J. Johnston. 1986. Notes on polar bear management at Glasgow Zoo. Ratel, 13(2):56-58, illustr.
- Leatherland, J.F. and K. Ronald. 1981. Plasma concentrations of thyroid hormones in a captive and feral polar bear (*Ursus maritimus*). Comparative Biochemistry and Physiology (A), 70(4):575-577, illustr.
- Lee, J., K. Ronald, and N.A. Ortsland, 1977. Some blood values of wild polar bears. Journal of Wildlife Management, 41(3):520-526, illustr.
- , R. Schweinsburg, F. Kernan, and J. Haigh. 1981. Immobilization of polar bears (*Ursus maritimus* Phipps) with Ketamine Hydrochloride and Xylazine Hydrochloride. Journal of Wildlife Diseases, 17(3): 331-336, illustr.
- Leighton, F.A., M. Cattet, R. Norstrom, and S. Trudeau. 1988. A cellular basis for high levels of vitamin A in livers of polar bears (*Ursus maritimus*): The ITO cell. Canadian Journal of Zoology, 66(2): 480-482, illustr.
- Lentfer, J. 1974. Agreement on conservation of polar bears. Polar Record, 17(108):327-330.
- 1976a. Big game investigations. Environmental contaminants and parasites in polar bears. Final Rep.

Alaska Dep. Fish Game 1976, Job No.5.5R:1-22, illustr.

----- 1976b. Big game investigations. Polar bear reproductive biology and denning. Final Report of the Alaska Department of Fish and Game 1976, Job No.5.4R:1-22, illustr.

----- 1976c. Polar bear management and research in Alaska, 1972-74. IUCN Publications (New Series), Suppl. No.42:53-60.

Lentfer, J.W. 1968. A technique for immobilizing and marking polar bears. Journal of Wildlife Management, 32:317-321, 1 tab.

----- 1969. Polar bear tagging in Alaska, 1968. Polar Record, 14(91): 459-462, 3 pls. 2 tabs.

----- 1970. Polar bear - sea ice relationships. IUCN Publications (New Series), 23:165-171, 2 figs.

----- 1974. Discreteness of Alaskan polar bear populations. Publications Natn. Swedish Envir. Prot. Bd., 11(1973):323-329, 4 figs.

----- 1975. Polar bear denning on drifting sea ice. Journal of Mammalogy, 56(3):716-718.

----- 1976. Polar bear management in Alaska. IUCN Publications (New Series), 40:209-213.

----- 1978. Polar bear. In: D. Haley, ed. Marine Mammals of Eastern North Pacific and Arctic Waters. Seattle, Washington:Pacific Search Press. 256pp. [pp.218-225, illustr.]

----- 1982. Polar bear - Ursus maritimus. In: J.A. Chapman and G.A. Feldhamer, eds. Wild Mammals of North America. Baltimore:John Hopkins University Press. XIII + 1147pp. [pp.557-566, illustr.]

----- 1983. Alaskan polar bear movements from mark and recovery. Arctic, 36(3):282-288, illustr.

----- and R.J. Hensel. 1980a. Alaskan polar bear denning. Bear Biology Association Conference, 3:101-108, illustr.

-----, R.J. Hensel, J.R. Gilbert, and F.E. Sorensen. 1980b. Population characteristics of Alaskan polar bears. Bear Biology Association Conference, 3:107-115, illustr.

----- and W.A. Galster. 1987. Mercury in polar bears from Alaska. Journal of Wildlife Diseases, 23(2):338-341, illustr.

Lewin, R.A. 1979. The greening of polar bears in zoos. Nature (London), 278(5703):445-447, illustr.

- , P.A. Farnsworth, and G. Yamanaka. 1981. The algae of green polar bears. Phycologia, 20(3):303-314, illustr.
- Lewis, R.W. and J.W. Lentfer. 1967. The vitamin A content of polar bear liver: Range and variability. Comparative Biochemistry and Physiology, 22:923-926, 1 tab.
- Lincoln, F.C. 1958. Saving North America's endangered species. Oryx, 4: 365-372.
- Lindan, K.H. 1976. Tod von Eisbären durch Futtermittelvergiftung. Zeitschrift Kolner Zoo, 19(4):134-135. [In German with English summary]
- Lono, O. 1970. Polar bear fetuses found in Svalbard. Arbok Nnorsk Polarinst., 1970:294-298, fig., 2 pls.
- 1972. Fanges det. i Svalbard-området isbjørn som Kommer fra russisk område? Fauna (Oslo), 25(2):69-76 fig., pl.
- 1977. The Norwegian winter hunting expeditions Part 3--1892-1905. Meddelelser Norsk. Polarinst., 105:66-134, illustr. [In Norwegian with English summary.]
- Loughrey, A.G. 1956. The polar bear and its protection. Oryx, 3: 233-239.
- Lowry, M.A., J.J. Burns, and R.R. Nelson. 1987. Polar bear, Ursus maritimus, predation on belugas, Delphinapterus leucas, in the Bering and Chukchi seas. Canadian Field Naturalist, 101(2):141-146, illustr.
- Lunn, N.J. 1986. Observation of nonaggressive behaviour between polar bear family groups. Canadian Journal of Zoology, 64(9):2035-2037, illustr.
- and G.B. Stenhouse. 1985a. An observation of possible cannibalism by polar bears (Ursus maritimus). Canadian Journal of Zoology, 63(6):1516-1517.
- and I. Stirling. 1985b. The significance of supplemental food to polar bears during the ice-free period of Hudson Bay. Canadian Journal of Zoology, 63(10):2291-2297, illustr.
- Lutsyuk, O.B. 1978. A contribution to the biology of the polar bear on Wrangel Island during the summer-autumn period. Zoologicheskii Zhurnal, 57(4):597-603, illustr.
- Maksimov, I.A. and V.L. Sokolov. 1966. The polar bear: Distribution and status of stocks; problems of conservation and research. In: Proceedings of the 1st International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.39-43.]
- Malecki, G. 1978. Gall stones in the polar bear. Medycyna Wet., 34(12): 710-711, illustr.

- Malmgen, Hr. 1864. *Ursus maritimus* Some remarks on its habits. Wiegms. Arch., 1864:64. [Aefuerrs. Svensk. Vetensk-Akad. Forhandl., 1864:128.]
- Manery, J.F., J.S. Barlow, and J.M. Forbes. 1966. Electrolytes in tissues, red cells and plasma of the polar bear and caribou. Canadian Journal of Zoology, 44:235-240, 2 tabs.
- Manning, T.H. 1964. Age determination in the polar bear *Ursus maritimus* Phipps. Occasional Papers of the Canadian Wildlife Service, 5:2-12, 4 figs.
- 1971. Geographical variation in the polar bear *Ursus maritimus* Phipps. Canadian Wildlife Service Report, 13:1-27, fig., 10 tabs., map.
- Martin, P.L. 1876. *Ursus arctos* and *Ursus maritimus*. On bastards between these species born in Nill's menagerie at Stuttgart. Zoologische Garten, 1876:20-22. [Zoologische Garten, 1877:135-136. W. Stendell and E. von Martens, tom. cit., pp.401-402.]
- 1882. On a hybrid between a male *Ursus maritimus* and a female *Ursus arctos*. Zoologische Garten, 1882:xxiii, 370.
- McColl, K.A. and R. Butler. 1982. Trichinosis in a polar bear, *Thalarctos maritimus* from the Royal Melbourne Zoo. Australian Veterinary Journal, 59(2):61.
- Mickalowski, D.R. 1972. Hand-rearing a polar bear *Thalarctos maritimus* (second 90 days) at Rochester Zoo. International Zoo Yearbook, 12: 175-176, 2 tabs.
- Millar, G.D. and D.R. Wooldridge. 1983. Small game hunting behaviour of polar bears, *Ursus maritimus*. Canadian Field Naturalist, 97(1): 3-94.
- Miller, R.E. and W.J. Boever. 1984. Case reports - A hepatocellular carcinoma and a biliary adenocarcinoma in two polar bears (*Thalarctos maritimus*). Annual Proceedings of the American Association of Zoo Veterinarians, 1984:112-114.
- , W.J. Boever, L.P. Thornburg, and M. Curtis-Velasco. 1985. Hepatic neoplasia in two polar bears. Journal of the American Veterinary Medical Association, 187(11):1256-1258, illustr.
- Mowat, F. 1988. White phantom. Priroda (Moscow), (3):34-39, illustr. [In Russian, translated from English by Yu. M. Feigin.]
- Muir, D.C.G., R.J. Norstrom and M. Simon. 1988. Organochlorine contaminants in Arctic marine food chains: Accumulation of specific polychlorinated biphenyls and chlordane-related compounds. Environmental Science and Technology, 22(9):1071-1079, illustr.
- Murrell, K.D., D.A. Leiby, C.H. Duffy, and G.A. Schad. 1986. Comparative infectivity of *Trichinella spiralis*

spiralis (from domestic swine) and T. spiralis nativa (from polar bear) for arctic foxes and domestic swine. Proceedings of the Helminth Society of Washington, 53(2):286-288, illustr.

Nelson, G.S., I.F. Keymer, R. Rogers, and R. Davis. 1975. Xeroradiographic visualization of Trichinae in polar bear muscle. Journal of Helminthology, 49(4):301-302, pl.

Nelson, R.A. Undated. Feeding strategies and metabolic adjustments of the polar bears. Proceedings of the Annual Dr. Scholl Conference on Nutrition of Captive Wild Animals, 3:93-96.

Newman, M.S., R.W. Cook, W.K. Appelhof, and H. Kitchen. 1975. Dermatophilosis in two polar bears. Journal of the American Veterinary Medical Association, 167(7):561-564, 5 figs.

Nickel, S., R. Ribbeck, and K. Petersen. 1975. Durch Milbenbefall verursachte Hautueranderungen bei Eisbaren (Thalarctos maritimus). In: R. Ippen and H.D. Schroder, eds. Erkrankungen der Zootiere Verhandlungsbericht des 16 Internationalen Symposiums über die Erkrankungen der Zootiere vom 26 Juni bis 30 Juni 1974 in Erfurt. Berlin: Akademie Verlag. 340pp. [pp.311-313.] [In German with English summary.]

Norstrom, R.J., R.E. Schweinsberg, and B.T. Collins. 1986. Heavy metals and essential elements in livers of the polar bear (Ursus maritimus) in the Canadian arctic. Science of the Total Environment, 48(3): 195-212, illustr.

-----, M. Simon, C.G. Muir, and R.E. Schweinsburg. 1988. Organochlorine contaminants in arctic marine food chains: Identification, geographical distribution, and temporal trends in polar bears. Environmental Science and Technology, 22(9):1063-1071, illustr.

Norwegian Information Service. 1974. Polar bear protected in Arctic region. Biological Conservation, 6(3):234-235.

Nunley, L. 1977. Successful rearing of polar bears Thalarctos maritimus at Tulsa Zoo. International Zoo Yearbook, 17:161-164, illustr.

Ooi, H.K., M. Kamiya, M. Ohbayashi, and M. Nakazawa. 1986. Infectivity in rodents and cold resistance of Trichinella spiralis isolated from pig and polar bear, and T. pseudospiralis. Japanese Journal of Veterinary Research, 34(2):105-110, illustr.

Ortsland, N.A. 1969. Deep body temperatures of swimming and walking polar bear cubs. Journal of Mammalogy, 50:380-382, 2 figs.

-----, 1970a. Energetic significance of absorption of solar radiation in polar homeotherms. In: M.W. Holdgate, ed. Antarctic Ecology, Vol.1. London: Academic Press. [pp.464-470, 3 figs.]

- , 1970b. Temperature regulation of the polar bear (*Thalarctos maritimus*). Comparative Biochemistry and Physiology, 37:225-233, 5 figs., 1 tab.
- , 1985. Comments to a polar bear population model. Polar Research, 3(1):123.
- , K. Ronald and C. Jonkel. 1973. What are the effects of human activities on the polar bear? Science Forum, 36:10-11.
- , J.W. Lentfer, and K. Ronald. 1974. Radiative surface temperatures of the polar bear. Journal of Mammalogy, 55(2): 459-461, fig.
- and D.M. Lavigne, 1976a. Radiative surface temperatures of excersising polar bears. Comparative Biochemistry and Physiology (A), 53(4):327-330, 4 figs., tab.
- , C. Jonkel, and K. Ronald. 1976b. A respiration chamber for excercising polar bears. Norwegian Journal of Zoology, 24(1):65-67, 2 figs.
- , R.K. Stallman, and C.J. Jonkel. 1977. Polar bears: Heart activity during rest and excercise. Comparative Biochemistry and Physiology (A), 57(1):139-141, illustr.
- , C.L. Jonkel, R. Best, and K. Ronald. 1978. Physiological studies on polar bears at Churchill, Manitoba. IUCN Publications (New Series), Suppl. 42:48-52, illustr.
- , R. Hurst and P.D. Watts. 1980. Temperature effects of oil on polar bears. Report of the Institute of Zoophysiology, University of Oslo. 79pp.
- , F.R. Engelhardt, F.A. Juck, R.J. Hurst and P.D. Watts. 1981. Effects of crude oil on polar bears. Environmental Studies No.24. Northern Affairs Program. Department of Indian and Northern Affairs Canada. 268 pp.
- and R. Schweinsburg. 1983. Polar bear hunt strategies evaluated by a leslie matrix population model. Polar Research, 1(3):241-247, illustr.
- Oritsland, T. 1966. The polar bear, Norwegian hunt and management. In: Proceedings of the 1st International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.26-38, 7 figs.]
- Ouweland, Azn, C.W. 1939. Über geburt und Jugendentwicklung eines Eisbären. Zoologische Garten (Leipzig), 11:102-107 6 figs.
- Palmer, S.S., R.A. Nelson, M.A. Ramsay, I. Stirling, and J.M. Bahr. 1988. Annual changes in serum sex steroids

- in male and female black (*Ursus americanus*) and polar (*Ursus maritimus*) bears. Biology of Reproduction, 38(5):1044-1050, illustr.
- Parovschikov, V.J. 1964a. Breeding the ice-bear of the Franz Joseph Archipelago. Byulletem Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii, 69(1):127-129. [In Russian.]
- 1964b. The polar bear (*Ursus maritimus*) on Franz Josef Land. In: Second All-Union Meeting on the Study of Marine Mammals, 1963. Akad. Navk, SSR Moscow-Leningrad. [Refer. Zhur., Biol. No.31290.] [pp.34-35.] [N.V. - Biol. Abstr. 45 No.103202]
- 1964c. A study of the population of the polar bear, *Ursus (Thalarctos) maritimus* Phipps, of Franz Joseph Land. Vestn. Csl. Spol. Zool., 28:167-177, fig. 4 tabs. [In Russian with English summary.]
- Patenaude, R.P. 1979. Evaluation of Fentanyl Citrate, Etorphine Hydrochloride, and Naloxone Hydrochloride in captive polar bears. Journal of the American Veterinary Medical Association, 175(9):1006- 1007, illustr.
- Patton, R.S. 1975. Digestibility studies in polar bears with emphasis on carbohydrates. AAZPA Conference Proceedings, 1975:158-161, illustr.
- Pedersen, A. 1931. Fortgesetzte Beitrage zur Kenntnis der Saugetier-und Vogelfauna der Ostküste Gronlands. Ergebnisse einer zweijährigen zoologischen Untersuchungsreise in Ostgronland. Meddelelser Gronland, 77:343-507, 60 figs. 1 map.
- 1942. Dansk Nordosgronlands Expedition, 1938-39. Saugetiare und Vogel. Meddelelser Gronland, 128(2):1-119, 2 maps, 32 photos. [Mammals, pp.11-51.]
- 1956. Der Eisbar rastiosen Wanderer im Nordpolargebiet. Kosmos (Stuttgart), 52:554-559, 6 figs.
- 1957. Der Eisbar. Wittenberg-Lutherstadt (Die neve Brehm- Bucherei), 201:64, 34 figs. [N.V.]
- Pereverzeva, E.V., N.N. Ozenetskaya, S.M. Uspenski, and N.L. Weretennikova. 1971. Studies on the helminthofauna and muscle phase of trichinellosis in polar bears from Wrangel Island. Wiadomosci Parazyty., 17(5-6) 51-463, 10 figs., tab. [In Russian with English summary.]
- and N.L. Veretennikova. 1973a. On the study of Helminrosis of the polar bear on the Wrangel Island. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.43-54, illustr.]
- and N.L. Veretennikova. 1973b. The study of polar bear blood. 69-70. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp.
- Perry, R. 1966. The World of the Polar Bear. London:Cassell. xi + 195pp., 8 pls., figs.

- , 1973. The Polar Worlds. Newton Abbot:David and Charles. 316pp., 20 figs., 4 maps., 6 pls.
- Philo, L.M., D.L. Wolfe, and S.M. Fassig. 1979. Treatment of an acquired abdominal hernia in a polar bear (Thalarctos maritimus). Journal of Wildlife Diseases, 15(1):121-123.
- Phipps, C.J. 1773. A Voyage Towards the North Pole. London. 184pp.
- Pocock, R.I. 1923. On the feet and rhinarium of the polar bear (Thalarctos maritimus). Proceedings of the Zoological Society of London, 1923:150-160, 1 fig.
- Polikarpova, E.F. and M.V. Nevzgodina. 1973. The morphology of ovaries, uterus and the thyroid gland in polar bear females. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow: Nauka. 162pp. [pp.123-141, illustr.]
- Pond, C. 1989. Bearing up in the Arctic. New Scientist, 121 (1650):40-46, illustr.
- Prevett, J.P. and G.B. Kolenosky. 1982. The status of polar bears in Ontario. Naturaliste Canadien, 109(4):933-939, illustr.
- Rabb, M.S. 1967. White nomad. Brookfield Bandarlog, 32:2-3, 1 pl.
- Ramsay, M.A. and I. Stirling. 1982. Reproductive biology and ecology of female polar bears in Western Hudson Bay. Naturaliste Canadien, 109(4):941-946, illustr.
- and I. Stirling. 1984. Interactions of wolves and polar bears in Northern Manitoba. Journal of Mammalogy, 65(4):693-694.
- , I. Stirling, L.O. Knutson, and E. Broughton. 1985. Use of Yohimbine Hydrochloride to reverse immobilization of polar bears by ketamine hydrochloride and xyline hydrochloride. Journal of Wildlife Diseases, 21(4):396-400, illustr.
- and D.S. Andriashuk. 1986. Long distance route orientation of female polar bears (Ursus maritimus) in spring. Journal of Zoology (London) (Ser. A), 208(1):63-72, illustr.
- and I. Stirling. 1986. Long term effects of drugging and handling-free ranging polar bears. Journal of Wildlife Management, 50(4):619-626, illustr.
- and I. Stirling. 1986. On the mating system of polar bears. Canadian Journal of Zoology, 64(10):2142-2151, illustr.
- and I. Stirling. 1988. Reproductive biology and ecology of female polar bears (Ursus maritimus). Journal of Zoology (London), 214(4): 601-634, illustr.
- Rau, B., G. von Hegel and H. Wiesner. 1987. The Polarium at Munich Zoo. International Zoo Yearbook, 26:146-

154, illustr.

- Rehn, J.A.G. 1899. The proper name of the polar bear. Science, 2:x, 254.
- Richardson, D.M. 1986. Polar problems or between a rock and an iceberg. Ratel, 13(6):174-176.
- Ritscher, D., R. Ribbeck, G. Fricke, and A. Semlow. 1986. Zum problem der fellschaden bei eisbaren (Ursus maritimus) des Zoologischen Gartens Rostock. Erkrankungen Zootiere, 28:77-84, illustr.
- Robinson, P.T. and C.J. Sedgwick. 1973. Immobilization of a polar bear (Thalarctos maritimus) with ketamine HC3. Journal of Zoo Animal Medicine, 4(3):27-28, tab.
- and R.A. Lewin. 1979. The green polar bear syndrome. Zoonooz (San Diego Zoo), 52(3):10-11, illustr.
- Rodahl, K. 1949a. The toxic effect of polar bear liver. Skr. Norsk Polarinst. (Oslo), 92:1-90, 18 pls.
- 1949b. Toxicity of polar bear liver. Nature (London), 164: 530-531.
- Roken, B.O. and B. Roken. 1981. Kunstliche aufzucht eines neugeborenen mannlichen eisbaren (Thalarctos maritimus Phipps 1774) in Kolmardens djurpark. Zoologische Garten (Jena), 51(2):119-122, illustr.
- Ronald, K. and J. Lee. 1981. The spectral sensitivity of a polar bear. Comparative Biochemistry and Physiology (A), 70(4):595-598, illustr.
- Rozycki, S.Z. 1957. Pery glacjalne de farmacie kosci dtugich niedzwedzia. Biuletyn Peryglaacjalny, 5:105-108, 2 figs. [French summary p. 237.]
- Russell, F.E. 1966. Vitamin A content of polar bear liver. Toxicon, 5: 61-62, 1 tab.
- Russell, R.H. 1975. The food habits of polar bears of James Bay and south-west Hudson Bay in summer and autumn. Arctic, 28(2):117-129, 2 figs., 2 tabs.
- Sablina, T.B. 1973. The structure of the alimentary tract in polar bear. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.113-123, illustr.]
- Salman, R.N. 1903. On the cause of death of a polar bear in the Zoological Society's Gardens. Proceedings of the Zoological Society of London, 1903:ii, 348-349.
- Satoh, H. 1981. Chromosome banding patterns and locations of ag-nors of the polar bear, Thalarctos maritimus. Chromosome Information Service, 30:29-31, illustr.
- Schneider, K.M. 1932. Zur Aufzucht eines Eisbaren. Zoologische Garten (Leipzig), 5:168-170, 1 fig.
- 1933a. Zur Jugendentwick eines Eisbaren. Zoologische Garten (Leipzig), 6:pp 156-165, 3 photos.

- , 1933b. Zur Jugendentwick eines Eisbaren. II. Aus dem Verhalten: Lage, Bewegung, Savgen, stimmliche Ausserung. Zoologische Garten (Leipzig), 6:224-237, 5 figs.
- , 1953. Über die Tragezeit des Eisbaren (*Thalassarctos maritimus* Erxl.). Zoologischer Anzeiger (Leipzig), 151:210-225, 2 figs.
- Schein, M. and F.M. Hart. 1962. A close look at polar bears. Animal Kingdom, 65:162-168, 4 figs.
- Schops, P. 1970. Erste Nachrichten über der Eisbar. Pelzgewerbe, 20(4):31-32.
- Schweinsberg, R.E. 1979. Summer snow dens used by polar bears in the Canadian high Arctic. Arctic, 32(2):165-169, illustr.
- and L.J. Lee. 1982a. Movement of four satellite-monitored polar bears in Lancaster Sound, Northwest Territories. Arctic, 35(4): 504-511, illustr.
- , L.J. Lee and J.C. Haigh. 1982b. Capturing and handling polar bears in the Canadian Arctic. In: Chemical Immobilization of North American Wildlife. Milwaukee:Wisconsin Humane Society Inc.. [pp. 267-289.]
- , L.J. Lee, and P.B. Latour. 1982c. Distribution, movement and abundance of polar bears in Lancaster Sound, Northwest Territories. Arctic, 35(1):159-169, illustr.
- , W. Spencer, and D. Williams. 1984. Polar bear denning area at Gateshead Island, Northwest territories. Arctic, 37(2):169-171, illustr.
- Scott, R.F., K.W. Kenyon, J.L. Buckley, and S.T. Olsen. 1959. Status and management of the polar bear and pacific walrus. Transactions of the North American Wildlife Conference, 24:366-373, 3 tabs.
- Sdobnikov, V.M. 1972. The white bear on Ushakov Island and in the northern lands. Priroda (Moscow), 1972(11):86-88, 2 tabs.
- Seidel, B. 1975. Zur Immobilisierung vom Eisbaren (*Thalarctos maritimus*) mit Phencyclidinhydrochlorid/propionyl-Promazin. In: R. Ippen and H.D. Schroder, eds. Erkrankungen der Zootiere Verhandlungsbericht des 16 Internationalen Symposiums über die Erkrankungen der Zootiere vom 26 Juni bis 30 Juni 1974 in Erfurt. Berlin:Akademie Verlag. 340pp. [pp.99-106, 2 tabs.] [In German with English summary]
- , 1980. Klinischer Beitrag zur hamatologie bei eisbaren, *Thalarctos maritimus*. Milu, 5(1-2):298-302, illustr.
- Seitz, A. 1952. Eisbarezucht im Nurnberger Tiergarten. Zoologische Garten (Leipzig), 19:180-189, 5 figs.
- , 1955. Eisbarezucht 1952 in Nurnberg. Zoologische Garten (Leipzig), 21:161-163, 2 figs.
- , 1973. Beitrag zur Zucht des Eisbaren (*Thalarctos maritimus*). Zoologische Garten (Leipzig),

43(1):293-304, fig., 5 pls., 3 tabs.

Silis, I. 1976. Live capture of polar bears by snowscooter during the North East Greenland expedition in spring 1973. IUCN Publications (New Series), Suppl. 42:81-90, illustr.

Sivak, J.G. and D.J. Piggins. 1975. Refractive state of the eye of the polar bear (Thalarctos maritimus Phipps). Norwegian Journal of Zoology, 23(1):89-91, tab.

Smith, C.F. and D.O. Cordes. 1972. Dermatitis caused by Dermatophilus congolensis infection in polar bears (Thalarctos maritimus). British Veterinary Journal, 128(7):366-371, 4 figs.

Smith, P., I. Stirling, C. Jonkel, and I. Juniper. 1975. Notes on the present status of the polar bear (Ursus maritimus) in Ungava Bay and Northern Labrador. Progress Notes of the Canadian Wildlife Service, 53:1-7, 3 figs., 3 tabs.

----- and I. Stirling. 1976. Resume of the trade in polar bear hides in Canada 1974-75. Progress Notes of the Canadian Wildlife Service, 66:1-7, 7 tabs.

Smith, P.A. 1977. Resume of the trade in polar bear hides in Canada 1975-76. Progress Notes of the Canadian Wildlife Service, 82:1-8.

----- 1978. Resume of the trade in polar bear hides in Canada 1976-77. Progress Notes of the Canadian Wildlife Service, 89:1-5, illustr.

----- and C. Jonkel. 1975. Resume of the trade in polar bear hides in Canada 1972-73. Progress Notes of the Canadian Wildlife Service, 43: 1-9, 7 tabs.

Smith, T.G. 1980. Polar bear predation of ringed and bearded seals in the land-fast sea ice habitat. Canadian Journal of Zoology, 58(12): 2201-2209, illustr.

----- 1985. Polar bears, Ursus maritimus, as predators of belugas, Delphinapterus leucas. Canadian Field Naturalist, 99(1):71-75.

Sokolov, V.E., ed. 1973. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp., illustr.

----- and S.M. Uspenski. 1973. Trends and advances in studies of the polar bear. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.5-9.]

Sparck, R. 1956. Some remarks on the status of the polar bear (Thalarctos maritimus) in Greenland. Proceedings of the 5th Tech. Meeting of the International Union for the Protection of Nature, 1956:85.

- Steen, L. 1968. Varför vaggar isbjörnen med huvudet? Fauna och Flora (Uppsala), 63:162-163, 1 fig. [In Swedish.]
- Steinemann, P. 1966. Kunstliche Aufzucht eines Eisbären. Zoologische Garten (Leipzig), 32:129-145, 11 figs., 3 tabs.
- Stejneger, L. 1899. The proper name of the polar bear. Science, (2):x, 377-378.
- Stenhouse, G.B., L.J. Lee and K.G. Poole. 1988. Some characteristics of polar bears killed during conflicts with humans in the North west territories, 1976-86. Arctic, 41(4):275-278, illustr. [In English with French summary.]
- Stirling, I. 1974a. Midsummer observations of the behaviour of wild polar bears (*Ursus maritimus*). Canadian Journal of Zoology, 52(9): 1191-1198, 2 figs., tab.
- 1974b. Polar bear research in the Beaufort Sea. In: J.C. Reed and J.E. Sater, eds. The Coast and Shelf of the Beaufort Sea. Arctic Institute of North America. 750pp. [pp.721-733, 4 figs., 3 tabs.]
- 1977. Polar bear conservation in Canada. In: T. Mosquin and C. Suchal, eds. Canada's Threatened Species and Habitats. [Proceedings of the Symposium on Canadas's Threatened Species and Habitats, Co-sponsored by the Canadian Nature Federation and the World Wildlife Fund (Canada), held at Ottawa, May 20-24, 1976.] Ottawa:Canadian Nature Federation. 185pp. [pp.41-45, illustr.]
- 1984. A group threat display given by walruses to a polar bear. Journal of Mammalogy, 65(2):352-353.
- 1986. Research and management of polar bears, *Ursus maritimus*. Polar Record, 23(143):167-176.
- 1988. Attraction of polar bears *Ursus maritimus* to offshore drilling sites in the eastern Beaufort sea. Polar Record 24(148): 1-8, illustr.
- , A.M. Pearson, and F.L. Burrell. No date. Population ecology studies of Polar and Grizzly bears in northern Canada. Transactions of the North American Wildlife and Natural Resources Conference, 41: 421-430, fig., tab.
- and C. Jonkel. 1972. The great white bears. Nature Canada (Ottawa), 1(3):15-18, 2 pls.
- and E.H. McEwan. 1975a. Calorific value of whole ringed seals in relation to polar bear (*Ursus maritimus*) ecology and hunting behaviour. Canadian Journal of Zoology, 53(8):1021-1027, 2 figs., 3 tabs.
- , D. Andriashuk., P. Latour and W. Calvert. 1975b. Distribution and abundance of polar bears in the eastern

- Beaufort Sea. Canadian Wildlife Service Technical Report, 2. 95pp.
- and T.G. Smith. 1975c. Interrelationships of Arctic Ocean mammals in the sea ice habitat. In: Proceedings of the Circumpolar Conference on Northern Ecology, September 15-18 1975 Ottawa. Ottawa: National Research Council of Canada. 646pp. [pp.2.129-2.136.]
- and W.R. Archibald. 1977a. Aspects of predation of seals by polar bears. Journal of the Fisheries Research Board of Canada, 34(8): 1126-1129, illustr.
- , C. Jonkel, P. Smith, R. Robertson, and D. Cross. 1977b. The ecology of the polar bear (*Ursus maritimus*) along the western coast of Hudson Bay. Occasional Papers of the Canadian Wildlife Service, 33:1-64, illustr.
- and P.B. Latour. 1978a. Comparative hunting abilities of polar bear cubs of different ages. Canadian Journal of Zoology, 56(8): 1768- 1772, illustr.
- and P. Smith. 1978b. Polar bear management changes in Canada. IUCN Publications (New Series), Suppl. 42:61-67, illustr.
- , W. Calvert, and D. Andriashuk. 1980a. Population ecology studies of the polar bear in the area of southeastern Baffin Island. Occasional Papers of the Canadian Wildlife Service, 44:1-33, illustr.
- and H.P.L. Kiliaan. 1980b. Population ecology studies of the polar bear in Northern Labrador. Occasional Papers of the Canadian Wildlife Service, 42:1-21, illustr.
- and W. Calvert. 1981. Polar bear. IUCN Red Data Book. pp.343-348.
- , W. Calvert, and D. Andriashuk. 1984. Polar bear (*Ursus maritimus*) ecology and environmental considerations in the Canadian high arctic. In: R. Olson, R. Hastings, and F. Geddes, eds. Northern ecology and resource management. Memorial essays honouring Don Gill. Edmonton:University of Alberta Press. 438pp. [pp.201-222, illustr.]
- , E. Broughton, L.O. Knutson, M.A. Ramsay, and D.S. Andriashuk. 1985. Immobilization of polar bears with Telazol on the western coast of Hudson Bay during summer 1984. Progress Notes of the Canadian Wildlife Service, 157:1-7, illustr.
- and M.A. Ramsay. 1986. Polar bears in Hudson Bay and Foxe Basin: Present knowledge and research opportunities. Elsevier Oceanographic Series, 44:341-354, illustr.
- Stonegate, D. 1973. The polar bear - a brighter future. Wildlife Wildlife Conservation Yearbook, 1973:28-33,

fig., pl., 6 col. pls.

Struzik, E. 1988. Seeking sanctuary. Nature Canada (Ottawa), 17(1):13-20, illustr.

Stuhrberg, E. 1988. Beitrag zum Blutbild und zur Biochemie des Blutserums bei Eisbären (*Thalarctos maritimus*) und Malayan baren (*Helarctos malayanus*). Erkrankungen Zootiere, 30:389-398, illustr. [In German with English, French and Russian summaries.]

Sutton, G.M. and W.J. Hamilton. 1932. The mammals of Southampton Island, Hudson Bay. Memoires of the Carnegie Museum (Pittsburgh), 1:1-111, 10 pls., 4 text-figs.

Swieboda, M. 1968. The polar bear in danger. Chronmy Przyrode Ojczysta, 24(4):50-51. [In Polish.]

----- 1974. Obecny stan badan i ochrony niedzwiedzia polarnego. Chronmy Przyl. Ojcz, 30(2):32-42, fig., pl., tab. [English summary.]

Taylor, M., T. Larsen, and R.E. Schweinsburg. 1985. Observations of intraspecific aggression and cannibalism in polar bears (*Ursus maritimus*). Arctic, 38(4):303-309, illustr.

Taylor, M.K. 1983. The distribution and abundance of polar bears (*Ursus maritimus*) in the Beaufort and Chukchi seas. Dissertation Abstracts International (B), 43(8):2438.

-----, D.P. Demaster, F.L. Bunnell, and R.E. Schweinsburg. 1987. Modeling the sustainable harvest of female polar bears. Journal of Wildlife Management, 51(4):811-820, illustr.

Tener, J.S. 1963. Queen Elizabeth Islands Game Survey 1961. Occasional Papers of the Canadian Wildlife Service, 4:1-50, 4 figs.

----- 1966a. Some aspects of research on polar bears required. In: Proceedings of the 1st International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish and Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [p.65.]

----- and C.R. Harington. 1966b. Canadian Wildlife service brief. In: Proceedings of the 1st Internatioonal Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish and Wildlife Service Resource Publ. No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.9-15, 1 map.]

Thenius, E. 1953. Zur Analyse des Gebisses des Eisbären, Ursus (Thalarctos) maritimus Phipps, 1774. Saugetierkundlich Mitteilungen, 1:14-20, 1 fig.

Thomas, W.D. 1968. Mixed exhibit for polar bears and arctic foxes. Thalarctos maritimus and Alopex lagopus at Omaha Zoo. International Zoo Yearbook, 8:18-19, 1 pl.

Uspenskii, S.M. 1976. The polar bear, its study and conservation. Itogi Nauki Tekh (Ser Poz.), 8:167-205.

- , 1977. The White Bear. Moscow:Nauka. 80pp., illustr. [In Russian.]
- , 1979. Der eisbar Thalarctos maritimus. Neue Brehm Buch, 201: 1-112, illustr.
- and F.B. Chernyauski. 1965. 'Maternity home' of polar bears. Priroda (Moscow), 4:81-86, 8 figs. [In Russian.]
- and A.A. Kistchinski. 1970. New data on the winter ecology of the polar bear (Ursus maritimus Phipps) on Wrangel Island. IUCN Publications (New Series), 23:181-197, 5 figs., 3 pls., 7 tabs.
- and A.A. Kishchinski. 1973. An attempt of immobilization and marking polar bears. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp. [pp.141-149, illustr.]
- and S.E. Belikov. 1980. Data on the winter ecology of the polar bear in Wrangel Island. Bear Biology Association Conference, 3:119.
- , A.N. Golovkin, V.I. Gurevich, and N.G. Chelintsev. 1985. Geographical groups of the polar bear in soviet arctic distinguished on the basis of geochemical data. Zoologicheskii ZH, 64(4):600-605, illustr.

Upensky, S.M. 1961. Present resources and possibility of recording quantitative data of the polar bear]. In: J.A. Isakov, ed. Conference on Organization and Methods of Calculating Fauna Resources of Terrestrial Vertebrates. March 1961. Theses of Reports. Moscow: Soc. Ispyt. Nat. Moskova, and Inst. Geogr.14 Akad. Navk. SSR. [pp.52-53.] [In Russian]

- , 1965. Distribution, number and protection of the white bear in the Arctic. Byulleten Moskovskogo Obshchestva Ispytatelei Prirody, 70.2:18-24, 1 fig. [In Russian with English summary.]
- , 1967. The white bear must live. Priroda (Moscow), 1967(2): 81-84, 4 fig. [In Russian.]
- and S.E. Belikov. 1976. Research on the polar bear in the USSR. IUCN Publications (New Series), 40:321-323, tab.

Van Gelder, R.G. 1977. Mammalian hybrids and generic limits. American Museum Novitates, 2635:1-25, illustr.

Vasak, J. 1947. Observations on the growth of a polar bear born in Prague zoo. Proceedings of the Zoological Society of London, 117: 606.

Vercrysse, J., V. Kumar, F. Ceulemans, and J. Mortelmans. 1968. Chemotherapy of helminthiasis among wild mammals. 2. Baylisascaris transfuga (Rudolphi, 1819) Sprent, 1968 infection of polar bear. Acta

Zoologica et Pathologica Antverpiensia, 64:115-119, tab.

- Vershinin, A.A. 1973. Occurrence of the polar bear on the Bering sea shore. 36-43, illustr. In: V.E. Sokolov, ed. Ecology and Morphology of the Polar Bear. Moscow:Nauka. 162pp.
- Vibe, C. 1966. The polar bear in Greenland. In: Proceedings of the 1st International Sci. Meet. Polar Bear (Fairbanks, Alaska) 1965. U.S. Department of the Interior (Fish Wildlife Service Resource Publication No.16) and University of Alaska (Int. Conf. Proc. No.1). [pp.16-25, 6 figs.]
- 1967. Arctic animals in relation to climatic fluctuations. Meddelelser Gronland, 170(5):1-227, 101 figs., 3 tabs.
- 1974. Project 985. Polar bear in Greenland - status survey. World Wildlife Yearbook, 1973-74:205-207, pl.
- 1976a. Preliminary report on the first Danish polar bear expedition to North East Greenland, 1973. IUCN Publications (New Series), Suppl. 42:74-79, illustr.
- 1976b. Preliminary report on the second Danish polar bear expedition to North East Greenland, 1974. IUCN Publications (New Series), Suppl. 42:91-97, illustr.
- 1979. Nanoq polar bears. Kaskelot, 39:10-15, illustr.
- 1982. Greenland's polar bears. Naturens Verd, 1982(2):41-56, illustr.
- Vlasak, J. 1947. "Snow-white" of the Prague zoo: The polar bear cub which grew up in a city flat. Ill. London News, 211:302-305, 14 figs.
- 1950. Über kunstliche Aufzucht eines Eisbären Thalarctos maritimus Phipps. Zoologische Garten (Leipzig), 16:159-179, 9 figs.
- Volf, J. 1963a. Bemerkungen zur Fortpflanzungsbiologie der Eisbären, Thalarctos maritimus (Phipps) in Gefangenschaft. Zeitschrift fuer Säugetierkunde, 28:163-166. [English summary.]
- 1963b. Einige Bemerkungen zur Aufzucht von Eisbären (Thalarctos maritimus) in Gefangenschaft. Zoologische Garten (Leipzig), 28:97-108, 7 pls. [English summary.]
- 1978. International protection for polar bears, Thalarctos maritimus. Ziva, 26(5):194.
- Vorobyeva, K.E. 1932. Instruction for the collection of materials on biology, hunting and classification of the polar bear (Thalassarctos maritimus Phipps). Arctic Inst. Leningrad Pamphlet, 1:1-14. [In Russian.]
- Walsten, D.M. 1974. On the road to recovery? Bulletin of the Field Museum of Natural History, 45(12):7-90, illustr.

- Watts, P.D. and S.E. Hansen. 1987a. Cyclic starvation as a reproductive strategy in the polar bear. Symposium of the Zoological Society of London, 57:305-318, illustr.
- , N.A. Ortsland, and R.J. Hurst. 1987b. Standard metabolism rate of polar bears under simulated denning conditions. Physiological Zoology, 60(6):687-691, illustr.
- Wemmer, C. 1974. Design for polar bear maternity dens. International Zoo Yearbook, 14:222-223.
- , M. Von Ebers, and K. Scow. 1976. An analysis of the chuffing vocalizations in the polar bear (Ursus maritimus). Journal of Zoology (London), 180(3):425-439, 4 figs., pl., 9 tabs.
- Wenzel, G. 1983. Inuit and polar bears: Cultural observations from a hunt near Resolute Bay, N.W.T. Arctic, 36(1):90-94, illustr.
- Wilber, C.G. and X.J. Musacchia. 1950. A comparative study of lipids in Arctic marine mammals. Journal of Mammalogy, 31:162-167.
- Wilk, M. 1974. Trzebierie niedziedzia polarnego. Medycyna Wet, 30(8): 491.
- Wley, J.P., Jr. 1986. Polar bears mingle with people on Manitoba's Cape Churchill. Smithsonian, 16(12):40-51, illustr.
- Wooldridge, D.R. 1980. Natural and synthesized aggressive sounds as polar bear repellents. Bear Biology Association Conference, 3:85-91, illustr.
- Wortman, J.D. and M.D. La Rue. 1974. Hand-rearing polar bear cubs Thalarctos maritimus at Topeka Zoo. International Zoo Yearbook, 14: 215-218, 2 figs., tab.
- Wyatt, C. 1975. A brighter future for the polar bear? Wildlife (London), 17(4):173-175, col. pl., 5 pls.
- Young, A. 1968. The foetal membranes of polar bear (Thalarctos maritimus). Journal of Anatomy, 104:199-200, 1 fig.
- Zalkin, V.I. 1936. On the biology of the white bear of Franz Joseph Archipelago. Bull. Soc. Nat. Moscow (Sect. Biol.), 45:355-363. [In Russian with English res.]

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The Consortium of Aquariums, Universities and Zoos (C.A.U.Z.)
Donna FitzRoy Hardy, Ph.D., Network Coordinator
Consortium of Aquariums, Universities and Zoos
Department of Psychology
California State University, Northridge
Northridge, CA 91330
